

## PATENT ABSTRACTS OF JAPAN

(11)Publication number : 10-173668

(43)Date of publication of application : 26.06.1998

(51)Int.Cl.

H04L 12/28

H04L 1/08

H04L 29/08

(21)Application number : 08-328364

(71)Applicant : HITACHI LTD  
HITACHI INF TECHNOLOG

(22)Date of filing : 09.12.1996

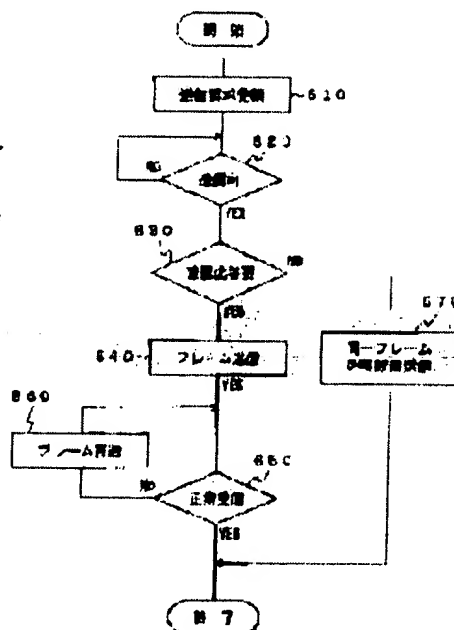
(72)Inventor : SHIGESA HIDEHIKO  
ODA KENICHIRO  
AOYAMA KOJI  
HAMAZAKI MUTSUMI

## (54) LAN SYSTEM

## (57)Abstract:

**PROBLEM TO BE SOLVED:** To realize the communication of high quality, even if a recognition response is not given between a transmission side and a reception side.

**SOLUTION:** The terminal on a transmission side checks whether or not the transmission side requires the recognition response with the reception side prior to the transmission of a frame (630). In the case of individual communication, the recognition response is recognized to be necessary but is not necessary in the case of broadcasting and multicasting, for example. When the recognition response is required, the frame is transmitted, the return of an ACK frame is received from the reception side and whether or not it is received normally is recognized. When it is not received normally, a retransmission operation is executed (640, 650 and 660). When the recognition response is not required, the frame is transmitted for plural times, and the transmission operation is terminated as it is (670). Thus, the probability for normal reception on the reception side becomes high, even if retransmission operation is not executed.



BEST AVAILABLE COPY